

EXHIBIT 1

Andrew E. Schulman

Office of Enforcement and Compliance Assurance
U.S. Environmental Protection Agency
1200 Pennsylvania Ave. NW, MS 2222A
Washington, DC 20460
(202) 564-5244
(202) 564-0031 fax

5200 Glenwood Rd.
Bethesda, MD 20814
(301) 493-9362

schulman.andrew@epa.gov

Education

Ph.D., Statistics with Environmental Science, Cornell University, 1997.

M.A. Mathematics, University of Texas at Austin, 1993.

B.A. Mathematics, Austin College, Sherman, Texas, 1987.

Experience

Statistician

U. S. Environmental Protection Agency, 1999 to present.

- Developed methodology for estimating national contaminant occurrence distributions, using censored data from subsets of states.
- Developed a sampling plan and estimation methodology for occurrence of unregulated contaminants in small public water systems. Minimized error within strata, subject to constraints on error of national estimates.
- Estimated odor detection thresholds for MTBE in drinking water.
- Developed and reviewed statistical methodology for estimating risk reductions and economic benefits due to stricter arsenic standards in drinking water.
- Developed statistical criteria for auditing monitoring data from the Acid Rain Program.
- Developed Web interfaces for querying and reporting of Safe Drinking Water data.
- Developed quantitative measures of environmental justice concerns and their associated uncertainty.
- Wrote technical and non-technical reports and responses to peer reviews and stakeholder comments.
- Reviewed statistical analyses and advised agency staff on statistical issues.
- Presented results to managers, stakeholders, and scientists.
- Directed external peer reviews of scientific work products.
- Managed contract work assignments.

National Institute of Neurological Disorders and Stroke, Bethesda, Md., October 1997 to April 1999.

- Guided statistical design and analysis of EEG and MRI studies of dystonia, Bell's palsy, attention deficit disorder, and fundamental brain function.
- Researched methods for local polynomial regression and simulation of correlated categorical data.

Procter & Gamble Co., Cincinnati, Ohio, Summer 1994 and 1995.

- Developed regression models for sub-clustered, ordinal data.
- Researched methods for simulation of correlated categorical data.

Texas Workers Compensation Commission, Austin, Texas, Summer 1993.

- Analyzed occupational fatality rates for differences by age group.
- Analyzed safety surveys for changes in accident rates following safety consultations.

Programmer/Analyst

Société A.B.A., Libreville, Gabon, Sep.–Dec. 1989.

- Automated the calculation of production costs for a small plastics factory.

Arco Gabon, Libreville, Gabon, Sep.–Dec. 1989.

- Designed a data base for a \$50 million oil well parts inventory.

Teacher

School of Operations Research, Cornell University, Fall 1995. Teaching Assistant, Quality Control.

- Graded papers, assisted students.

Dept. of Mathematics, Univ. of Texas at Austin, Fall 1992–Spring 1993. Assistant Instructor, Precalculus.

- Taught two classes of 30 precalculus students; prepared lectures and tests.

Dept. of Mathematics, Univ. of Texas at Austin, Fall 1990–Spring 1992. Teaching Assistant, Calculus.

- Led 6 hours of discussion sections per week, graded papers, assisted students.

U.S. Peace Corps, Mékambo, Gabon, June 1987–June 1989. Secondary mathematics teacher.

- Taught four classes of 40–60 students in French.
- Adapted curriculum to local needs.
- Lived in a mud house.

U.S. Peace Corps, Libreville, Gabon, Summer 1988. Teacher trainer.

- Developed curriculum, modeled teaching techniques.

Technical Skills

Computer

Programming languages:

- Proficient in C, LaTeX, and Unix shell.
- Conversant with Perl and HTML.
- Have learned assorted other languages over the last 25 years.

Mathematical and statistical software:

- Proficient in Matlab, SAS.

Unix system administration: self-taught.

Language

French: spoken and written (FSI 3+ in spoken French in 1989).

June 2005